# **BRFSS Brief**

Number 1508

The Behavioral Risk Factor Surveillance System (BRFSS) is an annual statewide telephone survey of adults developed by the Centers for Disease Control and Prevention and administered by the New York State Department of Health. The BRFSS is designed to provide information on behaviors, risk factors, and utilization of preventive services related to the leading causes of chronic and infectious diseases, disability, injury, and death among the noninstitutionalized, civilian population aged 18 years and older.

# **Breast Cancer Screening**

New York State Adult Women, 2014

# **Introduction and Key Findings**

Breast cancer is the most commonly diagnosed cancer and the second leading cause of cancer death among women in New York State (NYS). Each year, approximately 15,000 women in NYS are newly diagnosed with breast cancer and approximately 2,640 die from the disease. Risk of breast cancer increases with age and varies across racial groups. White women are more likely than black women to be diagnosed with breast cancer, but are less likely to have breast cancer diagnosed at an advanced stage. Among women with breast cancer, black women are more likely than white women to die from the disease.<sup>1</sup>

Screening for breast cancer can increase the likelihood of identifying cancer at an early stage when treatment is most successful. Women aged 50 to 74 years should be screened with a mammogram every two years. Women aged 40 to 49 years, those with a family history or other risk factors for breast cancer, and those who have any symptoms or changes in their breasts should talk to their doctor about what screening schedule is right for them.<sup>2</sup> Although breast cancer screening recommendations may vary between organizations, each woman should be aware of her personal risk for breast cancer and decide, with her doctor, when to start screening.

NYS is close to achieving the Healthy People 2020 objective of 81.1% of women aged 50 to 74 receiving breast cancer screening every two years, with 78.6% of NYS women aged 50 to 74 indicating that they received a mammogram within the past two years.<sup>3</sup> However, the data suggest a decreasing trend in the proportion of women meeting the recommended screening guidelines (Figure 1). In addition, some subpopulations are less likely to be screened. In NYS, women aged 50 to 74 years without health insurance are significantly less likely to have received a mammogram within the past two years (51.7%) compared to women aged 50 to 74 years with health insurance (80.1%). Similarly, women aged 50 to 74 years without a regular health care provider are significantly less likely to have received a mammogram within the past two years (48.0%) compared to women aged 50 to 74 years with a regular health care provider (80.3%) (Figure 2). However, of NYS women aged 50 to 74 who have not received a mammogram within the past two years, 90.0% were insured (an estimated 493,000 women) and 85.7% had a regular health care provider (an estimated 491,000 women; data not shown). These data indicate a need to improve screening in both the insured and uninsured populations.

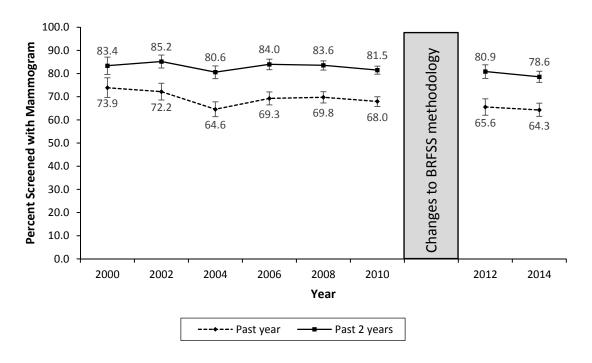
#### **BRFSS Questions**

1. A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram?

[If "yes"]

2. How long has it been since you had your last mammogram?

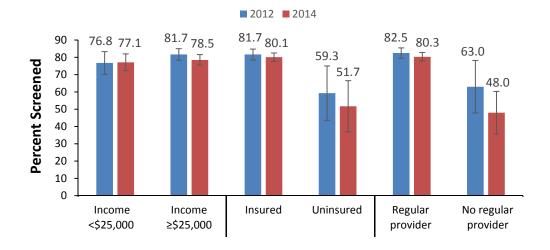
Figure 1. History of mammogram (within past year, within past 2 years) among New York State women aged 50 to 74 years, by BRFSS survey year from 2000 to 2014



<sup>\*</sup>Data from 2012 and 2014 are not comparable to prior years because of changes to the BRFSS methods in 2011. See the following link for more information on these changes: <a href="http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6122a3.htm?s">http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6122a3.htm?s</a> cid=mm6122a3 w

Note: Error bars represent 95% confidence intervals.

Figure 2. Percent screened by mammography within the past 2 years among New York State women aged 50 to 74 years by income, insurance and regular health care provider status, BRFSS 2012 and 2014 survey years



Note: Error bars represent 95% confidence intervals.

# History of mammogram (ever, within past year, within past 2 years) among New York State women aged 50 to 74 years, by selected characteristics, BRFSS 2014 survey

Population size*   Population		Estimated	Mammogram history					
Total NYS [N=1,762]         2,690         95.8         94.6-97.1         64.3         61.5-67.2         78.6         76.2-81.0           Race/Ethnicity         White non-Hispanic         1,706         95.7         94.3-97.1         63.2         60.0-66.4         78.1         75.3-80.8           Black non-Hispanic         381         98.2         95.9-100.0         72.4         63.7-81.1         87.2         81.7-92.6           Other non-Hispanic         206         89.3         79.1-99.4         65.9         41.6-72.3         62.8         81.7-92.6           Other non-Hispanic         206         89.3         79.1-99.4         65.9         41.6-72.3         62.8         81.7-92.6           Other non-Hispanic         206         89.3         79.1-99.4         65.9         41.6-72.3         62.8         81.7-92.6           Other non-Hispanic         206         89.3         79.1-99.4         65.6         61.4-68.3         77.1         72.3-82.0           Other non-Hispanic         206         95.2         92.9-97.6         65.6         61.4-69.8         80.1         76.5-82.8           Sp.000         1,123         97.3         90.1-00.0         73.6         64.2-82.9         80.1         76.7-91.8		population size <sup>a</sup>	Ever		Within past year		Within past 2 years	
Race/Ethnicity           White non-Hispanic         1,706         95.7         94.3-97.1         63.2         60.0-66.4         78.1         75.3-80.8           Black non-Hispanic         341         97.1         94.7-99.5         66.1         58.5-73.8         82.0         75.6-88.4           Hispanic         381         98.2         95.9-100.0         72.4         63.7-81.1         87.2         81.79-26.           Cother non-Hispanic         206         89.3         79.19-94         56.9         41.6-72.3         62.8         48.0-77.6           Annual household income           < \$25,000         676         95.2         92.9-97.4         60.4         54.5-66.3         77.1         72.3-82.0           \$25,000         502         94.4         91.2-97.6         63.6         61.4-69.8         80.1         765-83.7           Missing <sup>6</sup> 369         94.6         89.0-100.0         69.6         61.3-77.8         81.5         74.2-88.7           Missing <sup>6</sup> 369         94.6         89.0-100.0         73.6         64.2-82.9         80.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5			% <sup>b</sup>	95% CI <sup>b</sup>	% <sup>b</sup>	95% CI <sup>b</sup>	% <sup>b</sup>	95% CI <sup>b</sup>
White non-Hispanic         1,706         95.7         94.3-97.1         63.2         60.0-66.4         78.1         75.3-80.8           Black non-Hispanic         341         97.1         94.7-99.5         66.1         58.5-73.8         82.0         75.6-88.4           Hispanic         381         98.2         95.9-100.0         72.4         63.7-81.1         87.2         81.7-92.6           Other non-Hispanic         206         89.3         79.1-99.4         60.9         41.6-72.3         82.8         81.0-72.8           Annual household income         89.5         92.9-97.4         60.4         54.5-66.3         77.1         72.3-82.0           \$25,000         676         95.2         92.9-97.4         60.4         54.5-66.3         77.1         72.3-82.0           \$25,000         676         95.2         92.9-97.4         60.6         61.3-67.8         80.1         76.2-83.1           Missing's         360         91.2-97.6         63.0         61.4-69.8         80.1         76.2-82.8           Blushising's         340         97.0         94.0-100.0         73.6         62.8-82.9         84.0         76.7-91.8           High school of ED         769         95.2         92.7-97.6	Total NYS [N=1,762]	2,690	95.8	94.6-97.1	64.3	61.5-67.2	78.6	76.2-81.0
Black non-Hispanic         341         97.1         94.7-99.5         66.1         58.5-73.8         82.0         75.6-88.4           Hispanic         381         98.2         95.9-100.0         72.4         63.7-81.1         87.2         81.7-92.6           Other non-Hispanic         26.8         83.7-99.4         56.9         41.6-72.3         62.8         48.0-77.6           Annual household income         2525,000         676         95.2         92.9-97.4         60.4         54.5-66.3         77.1         72.3-82.0           \$25,000         676         95.2         94.4         91.2-97.6         63.0         56.4-69.7         75.2         69.3-81.1           \$250,000         1,123         97.3         96.0-98.7         65.6         61.4-69.8         80.1         76.5-83.7           Missingf         340         97.0         98.0-100.0         69.6         61.3-77.8         81.5         74.2-88.7           Bduational attainment         Less than high school         340         97.0         94.0-100.0         73.6         62.8-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5 <td>Race/Ethnicity</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Race/Ethnicity							
Hispanic         381         98.2         95.9-100.0         72.4         63.7-81.1         87.2         81.7-92.6           Other non-Hispanic         206         89.3         79.1-99.4         56.9         41.6-72.3         62.8         48.0-77.6           Annual household income         Section         676         95.2         92.9-97.4         60.4         54.5-66.3         77.1         72.3-82.0           \$25,000         522         94.4         91.2-97.6         63.0         56.4-69.7         75.2         69.3-81.1           \$50,000         1,123         97.3         96.0-98.7         65.6         61.4-69.8         80.1         75.5-83.8           Missing <sup>6</sup> 369         94.6         80-100.0         69.6         61.3-77.8         81.5         74.2-88.7           Butsingh School         340         97.0         94.0-100.0         69.6         61.3-67.8         76.7         75.2-81.5           High School or GED         769         95.2         92.7-97.6         63.0         64.2-82.9         84.0         75.9-81.8           Some post-high school         726         95.3         94.3-98.3         61.1         55.5-66.8         77.5         75.8-82.8           College graduate	White non-Hispanic	1,706	95.7	94.3-97.1	63.2	60.0-66.4	78.1	75.3-80.8
Other non-Hispanic         206         89.3         79.1-99.4         56.9         41.6-72.3         62.8         48.0-77.6           Annual household income         Separation of Separati	Black non-Hispanic	341	97.1	94.7-99.5	66.1	58.5-73.8	82.0	75.6-88.4
Annual household income         Sepandra (255,000)         676         95.2         92.9-97.4         60.4         54.5-66.3         77.1         72.3-82.0           \$25,000 - \$50,000         522         94.4         91.2-97.6         63.0         56.4-69.7         75.2         69.3-81.1           \$55,000         1,123         97.3         960-98.7         65.6         61.4-69.8         80.1         76.5-83.7           Missing°         369         94.6         89.0-100.0         66.0         61.3-77.8         81.0         74.2-88.7           Educational attainment           Less than high school         340         97.0         94.0-100.0         73.6         64.2-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5           Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-82.8           Private insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8 <td>Hispanic</td> <td>381</td> <td>98.2</td> <td>95.9-100.0</td> <td>72.4</td> <td>63.7-81.1</td> <td>87.2</td> <td>81.7-92.6</td>	Hispanic	381	98.2	95.9-100.0	72.4	63.7-81.1	87.2	81.7-92.6
< \$25,000	Other non-Hispanic	206	89.3	79.1-99.4	56.9	41.6-72.3	62.8	48.0-77.6
\$25,000 - \$50,000         522         94.4         91.2-97.6         63.0         56.4-69.7         75.2         69.3-81.7           ≥ \$50,000         1,123         97.3         96.0-98.7         65.6         61.4-69.8         80.1         76.5-83.7           Missing <sup>c</sup> 369         94.6         89.0-100.0         69.6         61.3-77.8         81.5         74.2-88.7           Educational attainment         340         97.0         94.0-100.0         73.6         64.2-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5           Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-83.8           Primary health care coverage         7         75.2         84.0         95.1-98.8         67.8         62.6-73.1         79.5         75.9-8.8.3           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0           Oth	Annual household income							
≥ \$50,000         1,123         97.3         96.0-98.7         65.6         61.4-69.8         80.1         76.5-83.7           Missing <sup>c</sup> 369         94.6         89.0-100.0         69.6         61.3-77.8         81.5         74.2-88.7           Educational attainment         Uses than high school         340         97.0         94.0-100.0         73.6         64.2-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5           Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-82.8           College graduate         837         95.9         94.1-97.7         64.1         60.3-67.8         77.5         72.8-82.3           Priward health care coverage         1         57.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0 <td>&lt; \$25,000</td> <td>676</td> <td>95.2</td> <td>92.9-97.4</td> <td>60.4</td> <td>54.5-66.3</td> <td>77.1</td> <td>72.3-82.0</td>	< \$25,000	676	95.2	92.9-97.4	60.4	54.5-66.3	77.1	72.3-82.0
Missing <sup>c</sup> 369         94.6         89.0-100.0         69.6         61.3-77.8         81.5         74.2-88.7           Educational attainment         February Institutional Expension of GED         340         97.0         94.0-100.0         73.6         64.2-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5           Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-83.8           Priwate insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         63.1-83.0         88.7         63.5         63.5-55.1         51.7         36.9-66.8           Regular health care provider         72.50	\$25,000 - <\$50,000	522	94.4	91.2-97.6	63.0	56.4-69.7	75.2	69.3-81.1
Educational attainment           Less than high school         340         97.0         94.0-100.0         73.6         64.2-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5           Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-83.5           Primary health care coverage           Private insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0           Medicaid         252         99.3         97.9-10.0         73.0         63.1-83.0         88.7         82.3-95.1           Oher insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           Regular health care provider         Yes         2,509         80.2         <	≥ \$50,000	1,123	97.3	96.0-98.7	65.6	61.4-69.8	80.1	76.5-83.7
Less than high school         340         97.0         94.0-100.0         73.6         64.2-82.9         84.0         76.7-91.3           High school or GED         769         95.2         92.7-97.6         63.0         57.5-68.5         76.8         72.0-81.5           Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-83.5           Primary health care coverage           Priwate insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         26.7-31.         79.5         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         23.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         37.7 <td>Missing<sup>c</sup></td> <td>369</td> <td>94.6</td> <td>89.0-100.0</td> <td>69.6</td> <td>61.3-77.8</td> <td>81.5</td> <td>74.2-88.7</td>	Missing <sup>c</sup>	369	94.6	89.0-100.0	69.6	61.3-77.8	81.5	74.2-88.7
High school or GED76995.292.7-97.663.057.5-68.576.872.0-81.5Some post-high school72696.394.3-98.361.155.5-66.877.572.8-82.3College graduate83796.795.1-98.465.261.1-69.479.976.3-83.5Primary health care coveragePrivate insurance1,57195.994.1-97.764.160.3-67.879.776.5-82.8Medicare58897.095.1-98.867.862.6-73.179.575.0-84.0Medicaid25299.397.9-100.073.063.1-83.088.782.3-95.1Other insurance7495.087.8-100.050.232.7-67.664.546.9-82.2No insurance11482.271.0-93.340.726.3-55.151.736.9-66.5Regular health care providerYes2,50996.294.9-97.565.963.0-68.880.377.9-82.8No15889.983.4-96.434.622.4-46.948.035.7-60.3LimitationdYes74797.095.3-98.662.657.4-67.877.172.6-81.6No1,92795.493.7-97.064.861.3-67.979.076.1-81.9DisabilityeYes75596.294.2-98.364.659.2-70.078.574.0-83.1No1,90796.194.8-97.464.661.3-67.979.1 <td><b>Educational attainment</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	<b>Educational attainment</b>							
Some post-high school         726         96.3         94.3-98.3         61.1         55.5-66.8         77.5         72.8-82.3           College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-83.5           Priwate insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.7         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider         7         49.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>4</sup> 747         97.0 <td>Less than high school</td> <td>340</td> <td>97.0</td> <td>94.0-100.0</td> <td>73.6</td> <td>64.2-82.9</td> <td>84.0</td> <td>76.7-91.3</td>	Less than high school	340	97.0	94.0-100.0	73.6	64.2-82.9	84.0	76.7-91.3
College graduate         837         96.7         95.1-98.4         65.2         61.1-69.4         79.9         76.3-83.5           Primary health care coverage           Private insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         62.6         73.1         79.5         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider         Yes         2,509         96.2         94.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>4</sup> Yes         747         97.0         95.3-98.6         62.6         57.4-67.8         77.1	High school or GED	769	95.2	92.7-97.6	63.0	57.5-68.5	76.8	72.0-81.5
Priwate insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider           Yes         2,509         96.2         94.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>d</sup> Yes         747         97.0         95.3-98.6         62.6         57.4-67.8         77.1         72.6-81.6           No         1,927         95.4         93.7-97.0         64.8         61.3-68.2         79.0         76.1-81.9	Some post-high school	726	96.3	94.3-98.3	61.1	55.5-66.8	77.5	72.8-82.3
Private insurance         1,571         95.9         94.1-97.7         64.1         60.3-67.8         79.7         76.5-82.8           Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider           Yes         2,509         96.2         94.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>4</sup> Yes         747         97.0         95.3-98.6         62.6         57.4-67.8         77.1         72.6-81.6           No         1,927         95.4         93.7-97.0         64.8         61.3-68.2         79.0         76.1-81.9	College graduate	837	96.7	95.1-98.4	65.2	61.1-69.4	79.9	76.3-83.5
Medicare         588         97.0         95.1-98.8         67.8         62.6-73.1         79.5         75.0-84.0           Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider           Yes         2,509         96.2         94.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>d</sup> Yes         747         97.0         95.3-98.6         62.6         57.4-67.8         77.1         72.6-81.6           No         1,927         95.4         93.7-97.0         64.8         61.3-68.2         79.0         76.1-81.9           Disability <sup>e</sup> Yes         755         96.2         94.2-98.3         64.6         59.2-70.0         78.5	Primary health care coverag	e						
Medicaid         252         99.3         97.9-100.0         73.0         63.1-83.0         88.7         82.3-95.1           Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider           Yes         2,509         96.2         94.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>d</sup> 747         97.0         95.3-98.6         62.6         57.4-67.8         77.1         72.6-81.6           No         1,927         95.4         93.7-97.0         64.8         61.3-68.2         79.0         76.1-81.9           Disabilitye           Yes         755         96.2         94.2-98.3         64.6         59.2-70.0         78.5         74.0-83.1           No         1,907         96.1         94.8-97.4         64.6         61.3-67.9         79.1         76.3-81.9     <	Private insurance	1,571	95.9	94.1-97.7	64.1	60.3-67.8	79.7	76.5-82.8
Other insurance         74         95.0         87.8-100.0         50.2         32.7-67.6         64.5         46.9-82.2           No insurance         114         82.2         71.0-93.3         40.7         26.3-55.1         51.7         36.9-66.5           Regular health care provider           Yes         2,509         96.2         94.9-97.5         65.9         63.0-68.8         80.3         77.9-82.8           No         158         89.9         83.4-96.4         34.6         22.4-46.9         48.0         35.7-60.3           Limitation <sup>d</sup> 747         97.0         95.3-98.6         62.6         57.4-67.8         77.1         72.6-81.6           No         1,927         95.4         93.7-97.0         64.8         61.3-68.2         79.0         76.1-81.9           Disability <sup>e</sup> Yes         755         96.2         94.2-98.3         64.6         59.2-70.0         78.5         74.0-83.1           No         1,907         96.1         94.8-97.4         64.6         61.3-67.9         79.1         76.3-81.9           Residence         New York City (NYC)         1,082         96.3         94.0-98.5         64.9         59.9-69.8         7	Medicare	588	97.0	95.1-98.8	67.8	62.6-73.1	79.5	75.0-84.0
No insurance       114       82.2       71.0-93.3       40.7       26.3-55.1       51.7       36.9-66.5         Regular health care provider         Yes       2,509       96.2       94.9-97.5       65.9       63.0-68.8       80.3       77.9-82.8         No       158       89.9       83.4-96.4       34.6       22.4-46.9       48.0       35.7-60.3         Limitation <sup>d</sup> Yes       747       97.0       95.3-98.6       62.6       57.4-67.8       77.1       72.6-81.6         No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disability <sup>e</sup> Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Medicaid	252	99.3	97.9-100.0	73.0	63.1-83.0	88.7	82.3-95.1
Regular health care provider         Yes       2,509       96.2       94.9-97.5       65.9       63.0-68.8       80.3       77.9-82.8         No       158       89.9       83.4-96.4       34.6       22.4-46.9       48.0       35.7-60.3         Limitationd       Ves       747       97.0       95.3-98.6       62.6       57.4-67.8       77.1       72.6-81.6         No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disabilitye         Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Other insurance	74	95.0	87.8-100.0	50.2	32.7-67.6	64.5	46.9-82.2
Yes       2,509       96.2       94.9-97.5       65.9       63.0-68.8       80.3       77.9-82.8         No       158       89.9       83.4-96.4       34.6       22.4-46.9       48.0       35.7-60.3         Limitation <sup>d</sup> Yes       747       97.0       95.3-98.6       62.6       57.4-67.8       77.1       72.6-81.6         No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disability <sup>e</sup> Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	No insurance	114	82.2	71.0-93.3	40.7	26.3-55.1	51.7	36.9-66.5
No       158       89.9       83.4-96.4       34.6       22.4-46.9       48.0       35.7-60.3         Limitation <sup>d</sup> Yes       747       97.0       95.3-98.6       62.6       57.4-67.8       77.1       72.6-81.6         No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disability <sup>e</sup> Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Regular health care provide	r						
Limitation <sup>d</sup> Yes       747       97.0       95.3-98.6       62.6       57.4-67.8       77.1       72.6-81.6         No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disability <sup>e</sup> Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Yes	2,509	96.2	94.9-97.5	65.9	63.0-68.8	80.3	77.9-82.8
Yes       747       97.0       95.3-98.6       62.6       57.4-67.8       77.1       72.6-81.6         No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disabilitye         Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	No	158	89.9	83.4-96.4	34.6	22.4-46.9	48.0	35.7-60.3
No       1,927       95.4       93.7-97.0       64.8       61.3-68.2       79.0       76.1-81.9         Disabilitye         Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Limitation <sup>d</sup>							
Disabilitye         Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Yes	747	97.0	95.3-98.6	62.6	57.4-67.8	77.1	72.6-81.6
Yes       755       96.2       94.2-98.3       64.6       59.2-70.0       78.5       74.0-83.1         No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	No	1,927	95.4	93.7-97.0	64.8	61.3-68.2	79.0	76.1-81.9
No       1,907       96.1       94.8-97.4       64.6       61.3-67.9       79.1       76.3-81.9         Residence         New York City (NYC)       1,082       96.3       94.0-98.5       64.9       59.9-69.8       79.8       75.7-83.9	Disability <sup>e</sup>							
Residence         1,082         96.3         94.0-98.5         64.9         59.9-69.8         79.8         75.7-83.9	Yes	755	96.2	94.2-98.3	64.6	59.2-70.0	78.5	74.0-83.1
New York City (NYC) 1,082 96.3 94.0-98.5 64.9 59.9-69.8 79.8 75.7-83.9	No	1,907	96.1	94.8-97.4	64.6	61.3-67.9	79.1	76.3-81.9
	Residence							
NYS excluding NYC 1,608 95.6 94.0-97.1 64.0 60.5-67.4 77.8 74.8-80.8	New York City (NYC)	1,082	96.3	94.0-98.5	64.9	59.9-69.8	79.8	75.7-83.9
	NYS excluding NYC	1,608	95.6	94.0-97.1	64.0	60.5-67.4	77.8	74.8-80.8

<sup>&</sup>lt;sup>a</sup> Estimated population size based on weighted frequencies from BRFSS, in thousands. Excludes individuals with missing data on breast cancer screening and each characteristic of interest.

<sup>&</sup>lt;sup>b</sup> %=Percentage; 95% CI=Confidence Interval. Percentages are weighted to population characteristics.

 $<sup>^{\</sup>rm c}$  "Missing" category included because more than 10% of the sample did not report income.

<sup>&</sup>lt;sup>d</sup> Activity limitations due to physical, mental, or emotional problems OR health problems that require the use of special equipment.

<sup>&</sup>lt;sup>e</sup> Based on report of at least one type of disability (cognitive, ambulatory, vision, self-care, or independent living).

# References

- Cancer Incidence and Mortality for New York State, 2008-2012. New York State Cancer Registry. New York State Department of Health, revised Nov. 2014. Available at <a href="http://www.health.ny.gov/statistics/cancer/registry/">http://www.health.ny.gov/statistics/cancer/registry/</a>
- 2. What Screening Tests Are There? Breast Cancer Screening. Center for Disease Control and Prevention, updated Oct. 2014. Available at <a href="http://www.cdc.gov/cancer/breast/basic\_info/screening.htm">http://www.cdc.gov/cancer/breast/basic\_info/screening.htm</a>
- 3. HealthyPeople.gov, 2020 Topics and Objectives: Cancer. U.S. Department of Health and Human Services, updated Aug. 2015. Available at <a href="http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicId=5">http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicId=5</a>

### **Program Contributions**

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